



MEDCOM SUSTAINABILITY

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AGENDA

PURPOSE: To provide information on the MEDCOM Sustainability Strategy – Development & Implementation.

Sustainability Overview

- Health Care Footprint
- Phased Approach
- Phase Status
- Moving Forward



SUSTAINABILITY GOALS

***Develop and Implement
Sustainability Strategic Plan to:***

- Sustain mission readiness
- Improve care for warfighters
- Improve quality of life for patients and healthcare staff
- Strengthen community relationships
- Ecological stewardship
- Reduce total costs of operation and ownership



HEALTHCARE FOOTPRINT

In the United States:

- 16% of U.S. economy devoted to healthcare (\$2 trillion in 2005)
- Consumes 8% of national energy (\$8.3 billion/yr)
 - MEDCOM = \$94M/yr
- 4th Highest energy user by building type
- 4% of national square footage
- Largest user of water in a community
 - MEDCOM = \$6M/yr (water & wastewater)
- 5 million tons of solid waste per year
 - MEDCOM = \$600K/yr (hazardous waste)
- 750K tons/yr Regulated Medical Waste
 - MEDCOM = 1,500 tons/yr (\$2M/yr)

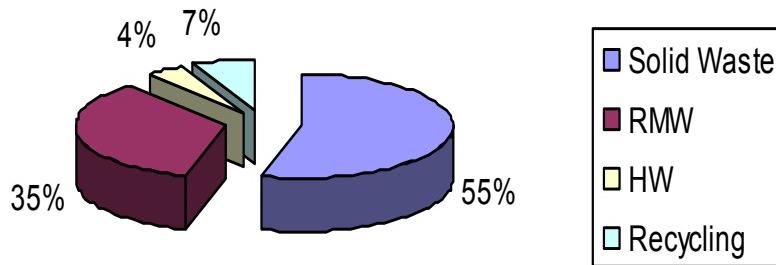


Waste Reduction

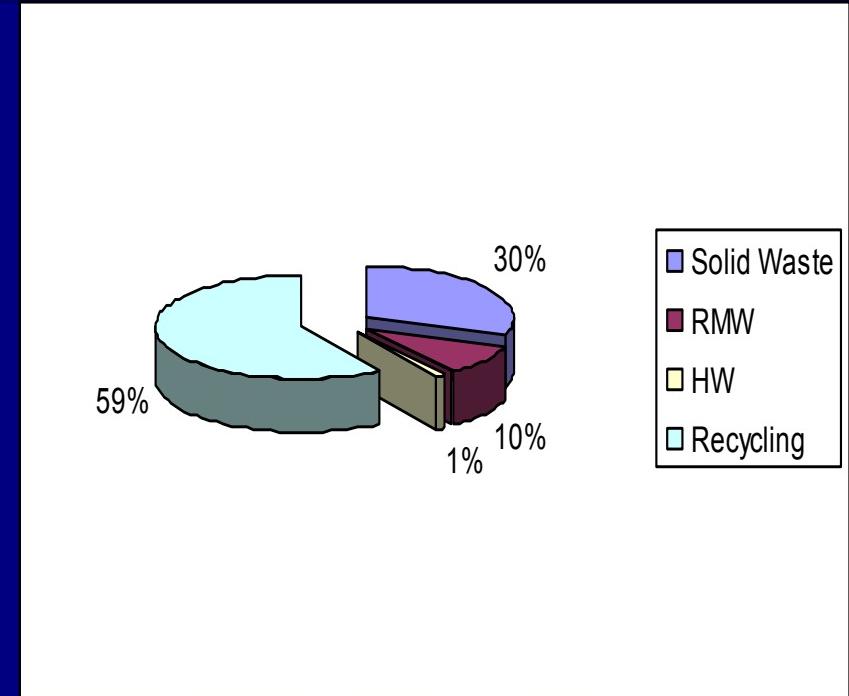




HOSPITAL WASTE STREAMS*



Typical Hospital Waste Stream



Optimal Hospital Waste Stream

Data adopted from Practice Greenhealth



MEDCOM SUSTAINABILITY - PHASED APPROACH

- Phase I: Policy Memorandum, Community and Marketing
- Phase II: Boundary Development, Benchmarking & Surveying
- Phase III: Sustainability Strategic Plan



MEDCOM SUSTAINABILITY

Commitment-

- Key ingredients:
 - Leadership/Command Emphasis
 - Coordination
 - Communication
 - Education
 - Accountability



PHASE I STATUS

Phase I: Policy Memorandum, Brochure, Community and Marketing

- Sustainability Policy signed 20 Feb 09
- Marketing Brochure under development
- Community involvement
 - Practice Greenhealth Corporate Membership (Feb 09)
 - Method to interact/learn from other health care facilities
 - Awards programs
 - Signing Ceremony
 - Training opportunities



PHASE II STATUS

Phase II: Boundary Development, Benchmarking, Surveying

- Workshop #1 – 2 April 09
 - Stand up HQ MEDCOM Sustainability Meeting Team (Memo for CoS signature)
 - Team Building
 - Develop Shared Vision
 - Develop Mission Statement
 - Develop Brand, Logo, and Strategic Communication Plan
 - Begin Developing Sustainability Initiatives for Functional Areas



PHASE II STATUS

- External benchmarking will begin May 09
- 2nd MEDCOM sustainability FONCON-22 Apr 09
- Internal surveys and site visits will begin June 09



GREEN TEAMS

- Cross-functional leadership
- Two levels
 - HQ MEDCOM Sustainability Team
 - Establishes measurable goals for Sustainability Strategy Plan
 - Develops policy changes to help achieve goals
 - Provides leadership for the MTF Sustainability Teams



GREEN TEAMS

- Second level
 - MTF Sustainability Teams
 - Local sustainability initiatives
 - Helps establish measurable goals for Sustainability Strategy Plan
 - Establishes and implements specific sustainability goals for each MTF



PHASE III STATUS

Phase III: Sustainability Strategic Plan

- Completion by late CY 2009 or early 2010
- Balanced Score Card Metrics



Looking back....

- Evaluation of alternates to incineration throughout MEDCOM hospitals due to EPA proposed more stringent emission standards.
- Distillation of solvent waste from hospital laboratories.
 - Product not consistently of sufficient quality for reuse.
 - Manpower intensive
 - Not maintained in any facility



MEDCOM SUSTAINABILITY INITIATIVES-PAST

- Process change from wet chemical x-ray processing to digital x-ray processing.
- Chemical/HM reviews
 - Review of hospital handling/labeling/storage/disposal of chemicals and expired pharmaceuticals
- H2E Mercury-Free hospitals
 - MEDCOM Mercury Reduction Plan
 - Mercury inventories
 - Systemic review and phase-out



MEDCOM SUSTAINABILITY INITIATIVES-Current

- Process change from wet chemical mammogram processing to digital mammogram processing-due to recent FDA approval.
- Replacement of inefficient lighting with high efficiency lights which are recycled after use.



MEDCOM SUSTAINABILITY INITIATIVES-Current

- MEDCOM joined Practice Green Health
- Developed MEDCOM sustainable policy (02/09)
- MEDCOM assembled a “Gren Team”
 - 1st mtg (HQ only) in April to announce sustainability strategy
- Developed a questionnaire to benchmark our current status (e.g. energy, water, waste, etc). Sent to each facility.



FUTURE ACTIONS

- LEED implementation
- Facility Energy Audits
- Department of Energy's Energy Star Portfolio
- Green house gas surveys
- MTF Solid Waste Management Studies
- Water conservation plans



FUTURE ACTIONS

- Digital Mammography-system wide
- Piloting Neptune System for operating room waste
- Piloting Vyleater for waste consolidation & HIPPA issues
- Presentations to communicate strategy: AUSA, ASHE, ASHES etc



MOVING FORWARD

- Send Internal Questionnaire as Tasker
- External Benchmark
- Strategic Communications - Develop series of Sustainability articles
- MEDCOM Sustainability Workshops
- Establish Sustainability work group
- Analyze Questionnaire results
- Develop Sustainability Strategy
- Implement best management practices
- Develop Strategy Map- Balance Score Card/Metrics



GOALS

- Increase Recycling
- Regulated medical waste reduction
- Hazardous waste reduction
- Energy conservation
- Water conservation
- Greenhouse gases emission reduction



Where to obtain more information

http://ofee.gov/eo/eo13423_main.asp

Address 


Office of the
Federal Environmental Executive
Promoting sustainable environmental stewardship throughout the federal government

Sustainable Environmental Stewardship
Waste Prevention and Recycling Green Purchasing Electronics Stewardship
Environmental Management Systems Sustainable Buildings Industrial Ecology

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Executive Order 13423

"Strengthening Federal Environmental, Energy, and Transportation Management."

On January 24th, 2007, President George W. Bush signed Executive Order 13423, "Strengthening Federal Environmental, Energy, and Transportation Management." The order sets goals in the areas of energy efficiency, acquisition, renewable energy, toxics reductions, recycling, renewable energy, sustainable buildings, electronics stewardship, fleets, and water conservation. In addition the order requires more widespread use of Environmental Management Systems as the framework in which to manage and continually improve these sustainable practices.

- [E.O. 13423](#)
- [E.O. 13423 Fact Sheet](#)
- [E.O. 13423 Implementing Instructions](#)
- [Federal Register Notice of Availability of E.O. 13423 Implementing Instructions](#)
- [White House Press Release](#)
- [Guidance on Counting Waste-to-Energy in Waste Diversion Goals](#)
- [USDA Sustainable Operations Council](#)
- [Water Efficiency and Conservation Guidance](#)


"Leading by Example"
A report to
the President





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